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supply means for holding the current impulse response and supplying the current impulse response to said generation means;

elimination means for subtracting said pseudo acoustic echo signal from a microphone input signal to remove an acoustic echo component and thereby generate an acoustic echo-canceled signal;

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cont
update means for continually updating the impulse response by using said source signal, said acoustic echo-canceled signal and the current impulse response held by said supply means and for supplying the updated impulse response to said supply means;

decision means for checking, in each frame, whether or not a voice is included in the microphone input signal, by using time domain information and frequency domain information of said acoustic echo-canceled signal, wherein the microphone input signal comprises background noise;

storage means for storing one or more impulse responses; and

control means for, in a frame for which the result of decision made by said decision means is negative, storing in said storage means the current impulse response held by said supply means and, in a frame for which the result of decision is positive, retrieving one of the impulse responses stored in said storage means and supplying it to said supply means.

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